



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/759,920	01/16/2004	Shirley Wang	12283/13	1514
26646	7590	07/26/2004	EXAMINER	
KENYON & KENYON ONE BROADWAY NEW YORK, NY 10004			KATCHEVES, BASIL S	
			ART UNIT	PAPER NUMBER
			3635	
DATE MAILED: 07/26/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/759,920

Applicant(s)

WANG ET AL.

Examiner

Basil Katcheves

Art Unit

3635

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 May 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 13-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: Marked fig. 8.

### **DETAILED ACTION**

Claims 1-12 have been cancelled and new claims 13-34 have been added in the paper filed 5/5/04. Pending claims 13-34 have been examined below.

#### ***Claim Objections***

Claim 28 recites the limitation "the bases of the double cleat" in lines 2 and 3. There is insufficient antecedent basis for this limitation in the claim.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 13-34 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,272,801 to Suh.

Regarding claim 13, Suh discloses a frame assembly (fig. 1: 100) for retaining a window (fig. 2: 120) in a door (fig. 1: 20) comprised of two frame members having screwless interlocks (fig. 8: 160 & 140). Suh discloses a first frame member (fig. 8: 160) and a second frame member (fig. 8: 140) having a stop (marked fig. 8) to prevent over insertion.

Art Unit: 3635

Regarding claim 14, Suh discloses the first interlock (fig. 8: 160) as being male and the second interlock (fig. 8: 140) as being female with a stop (marked fig. 8) which prevents over insertion.

Regarding claim 15, Suh discloses the stop as being part of the first interlock (marked fig. 8).

Regarding claim 16, Suh discloses the stop as being part of the second interlock (marked fig. 8).

Regarding claim 17, Suh discloses the first screwless interlock (fig. 8: 160) as being part of the frame.

Regarding claim 18, Suh discloses the stop (marked fig. 8) as being integrally formed as part of the first screwless interlock.

Regarding claim 19, Suh discloses the second screwless lock (fig. 8: 140) as being integrally formed with the frame.

Regarding claim 20, Suh discloses the second screwless lock (fig. 8: 140) as having the stop (marked fig. 8) integrally formed.

Regarding claim 21, Suh discloses the first interlock as being a pin (fig. 8: 163) with extending ledges (marked fig. 8).

Regarding claim 22, Suh discloses the stop as having a ledge (marked fig. 8) which extends from the pin.

Regarding claim 23, Suh discloses the stop (marked fig. 8) as engaging an outer surface of the second interlock (marked fig. 8).

Regarding claim 24, Suh discloses an interlock comprised of a pair of pins (fig. 8: see left diagram with pair of pins).

Regarding claim 25, Suh discloses the stop as comprised from a pair of ledges (marked fig. 8) extending from the pins.

Regarding claim 26, Suh discloses the second interlock (fig. 8: 140) as having a pair of cleats (marked fig. 8).

Regarding claim 27, Suh discloses the interlocks as having two cleats (marked fig. 8).

Regarding claim 28, Suh discloses the stop as planar (marked fig. 8) and extending between bases of the cleats.

Regarding claim 29, Suh discloses a frame assembly (fig. 1: 100) for retaining a window (fig. 2: 120) in a door (fig. 1: 20) comprised of two frame members having screwless interlocks (fig. 8: 160 & 140). Suh discloses a first frame member (fig. 8: 160) and a second frame member (fig. 8: 140) having a stop (marked fig. 8) to prevent over insertion.

Regarding claim 30, Suh discloses the first interlock (fig. 8: 160) as integrally formed with the frame and includes a pair of pins (fig. 8: left diagram), each pin having a pair of horizontal ledges (marked fig. 8) extending from the pin. Suh also discloses a second interlock (fig. 8: 14) formed as part of the frame and having a double cleat (marked fig. 8) with a planar base extending between cleats (marked fig. 8).

Regarding claim 31, Suh discloses a frame assembly (fig. 1: 100) for retaining a window (fig. 2: 120) in a door (fig. 1: 20) comprised of two frame members having

screwless interlocks (fig. 8: 160 & 140). Suh discloses a first frame member (fig. 8: 160) and a second frame member (fig. 8: 140) having a stop (marked fig. 8) to prevent over insertion.

Regarding claim 32, Suh discloses the first interlock (fig. 8: 160) as integrally formed with the frame and includes a pair of pins (fig. 8: left diagram), each pin having a pair of horizontal ledges (marked fig. 8) extending from the pin. Suh also discloses a second interlock (fig. 8: 14) formed as part of the frame and having a double cleat (marked fig. 8) with a planar base extending between cleats (marked fig. 8).

Regarding claim 33, Suh discloses a door panel (fig. 1:20), with front and back sides, having a frame assembly (fig. 1: 100) for retaining a window panel (fig. 2: 120) in a door (fig. 1: 20) comprised of two frame members having screwless interlocks (fig. 8: 160 & 140). Suh discloses a first frame member (fig. 8: 160) and a second frame member (fig. 8: 140) having a stop (marked fig. 8) to prevent over insertion.

Regarding claim 34, Suh discloses the first interlock (fig. 8: 160) as integrally formed with the frame and includes a pair of pins (fig. 8: left diagram), each pin having a pair of horizontal ledges (marked fig. 8) extending from the pin. Suh also discloses a second interlock (fig. 8: 14) formed as part of the frame and having a double cleat (marked fig. 8) with a planar base extending between cleats (marked fig. 8).

Art Unit: 3635

**Conclusion**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The cited patents listed on the included form PTO-892 further show the state of the art with respect to interlocking frames in general.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Basil Katcheves whose telephone number is (703) 306-0232. The examiner can normally be reached on Monday-Friday from 7:30 am to 4:00 pm.

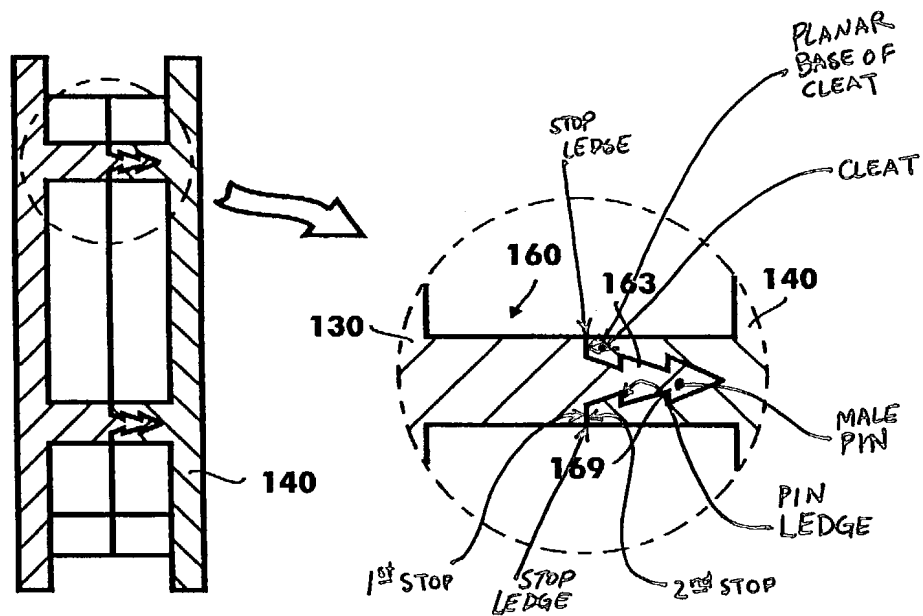
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Friedman, can be reached at (703) 308-0832.

BK

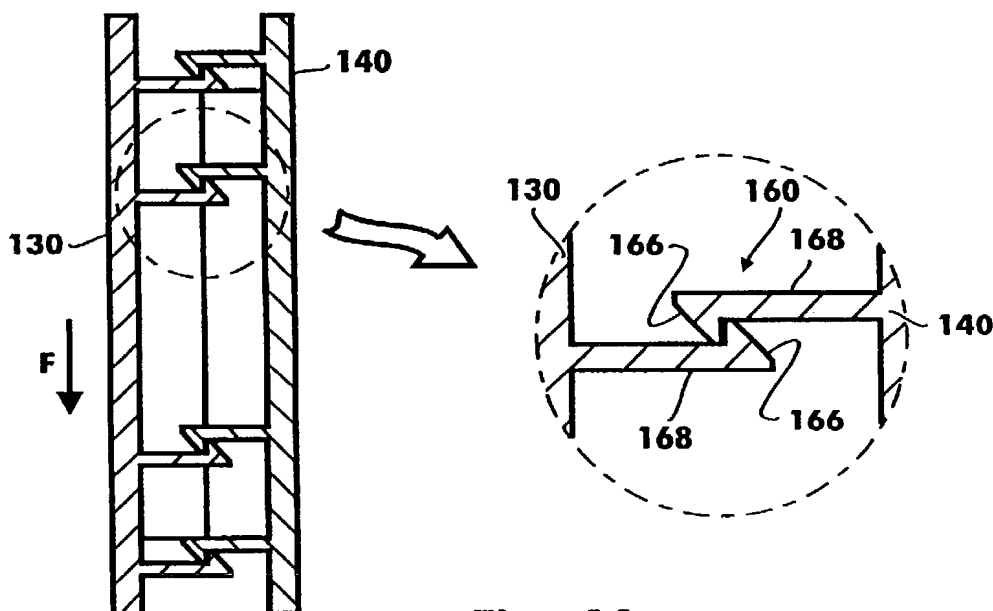
  
Basil Katcheves

7/22/04

Examiner AU 3635



**Fig. 8**



**Fig. 10**